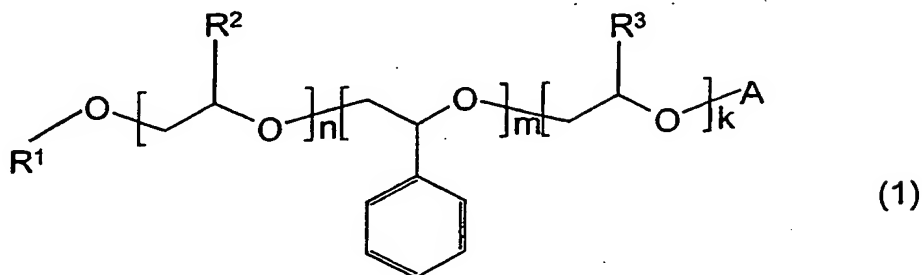


1. A copolymer of the formula (1)



in which

R^1 is hydrogen, a C_1 - C_5 -alkyl radical, or C_2 - C_5 -alkenyl radical which may also contain hetero atoms, an acid group or an aliphatic or aromatic group having 1 to 50 carbon atoms, which carries an acid group,

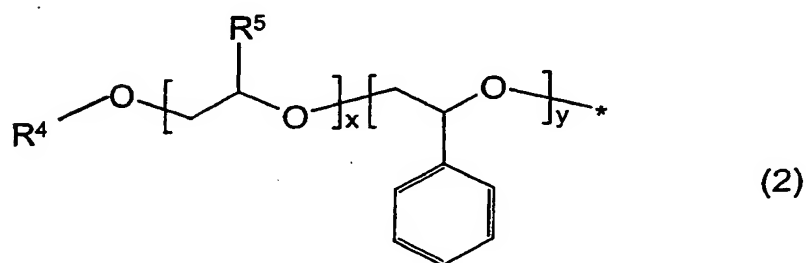
R^2 and R^3 , independently of one another, are hydrogen, methyl and/or ethyl,

n is a number from 0 to 100, and

m is a number from 3 to 30, and

k is a number from 1 to 200, and

A is a copolymer unit of the formula (2)



in which

R^4 is hydrogen, a C_1 - C_5 -alkyl radical or C_2 - C_5 -alkenyl radical which may also contain hetero atoms, an acid group or an aliphatic or aromatic group having 1 to 50 carbon atoms, which carries an acid group,

R^5 is hydrogen, methyl and/or ethyl,

x is a number from 0 to 100, and

y is a number from 3 to 30,
where R¹ is hydrogen or an acid group.

- 5 2. The copolymer as claimed in claim 1, wherein the alkoxy groups are arranged block by block.
3. The copolymer as claimed in claim 1 and/or 2, wherein k is a number from 10 to 100.
- 10 4. The copolymer as claimed in one or more of claims 1 to 3, wherein m is a number from 3 to 10.
5. The copolymer as claimed in one or more of claims 1 to 4, wherein n is a number from 1 to 5.
- 15 6. The copolymer as claimed in one or more of claims 1 to 5, wherein formula 1 represents an ester or partial ester.
7. The copolymer as claimed in one or more of claims 1 to 6, wherein R¹ or R⁴ is a C₂- to C₅-alkenyl group.
- 20 8. The use of a copolymer as claimed in one or more of claims 1 to 7 as pigment emulsifier and bitumen emulsifier.
- 25 9. The use of a copolymer as claimed in claim 7 as an emulsifier in emulsion polymerization.